

I claim:

1. A low noise amplifier (LNA), comprising:

an amplification circuit having an amplifier input and an amplifier output, and configured to receive a radio frequency (RF) input signal at the amplifier input and apply a gain to generate an amplified RF output signal at the amplifier output;

a bypass switching network coupled to a low-gain control signal and also coupled between the amplifier input and the amplifier output, and configured to couple the amplifier input to the amplifier output when the low-gain control signal is enabled in order to feed the RF input signal through to the RF output signal; and

a match adjustment circuit coupled to the low-gain control signal and the RF input signal, and configured to couple the RF input signal to an impedance when the low-gain control signal is enabled.